Geometry A – Project on Euclid’s Elements

This is a poster project. You will be creating a visually appealing poster that includes the following elements:

1. Find visual from the real world (either drawn or from the internet) to represent each of the first 12 elements. You will be displaying these in a visually appealing way on your poster. You need to have an image for each element and they need to be labeled in a way that indicates which element they are associated with.
2. A *line* is breadthless length.
3. The extremities of a line are points.
4. A *straight line* is a line which lies evenly with the points on itself.
5. A *surface* is that which has length and breadth only.
6. The extremities of a surface are lines.
7. A *plane surface* is a surface which lies evenly with the straight lines on itself.
8. A *plane angle* is the inclination to one another of two lines in a plane which meet one another and do not lie in a straight line.
9. And when the lines containing the angles are straight, the angle is called *rectilineal*.
10. When a straight line set up on a straight line makes the adjacent angles equal to each other, each of the equal angles is *right* and the straight line standing on the other is called a *perpendicular* to that on which it stands.
11. An *obtuse* *angle* is an angle greater than a right angle.
12. A famous geometer other than Euclid(Google “famous geometer” and you will find a lot of them). On your poster, display:
    1. a photo or drawing or other image of your geometer (if possible)
    2. a photo or drawing or image of where your geometer lived (this can be a map)
    3. when your geometer was born and when he or she died
    4. his or her major accomplishments (at least 5)
13. Keep a bibliography of the sources you used for your images (make sure to take down the url for each image you get off the internet) and your information.
14. Write one page about the connection between Euclid’s elements, the real world, and your geometer.

This is due on Monday, April 26.